Use Attainability Analysis

for

WBID 2980 Lick Creek Ditch

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

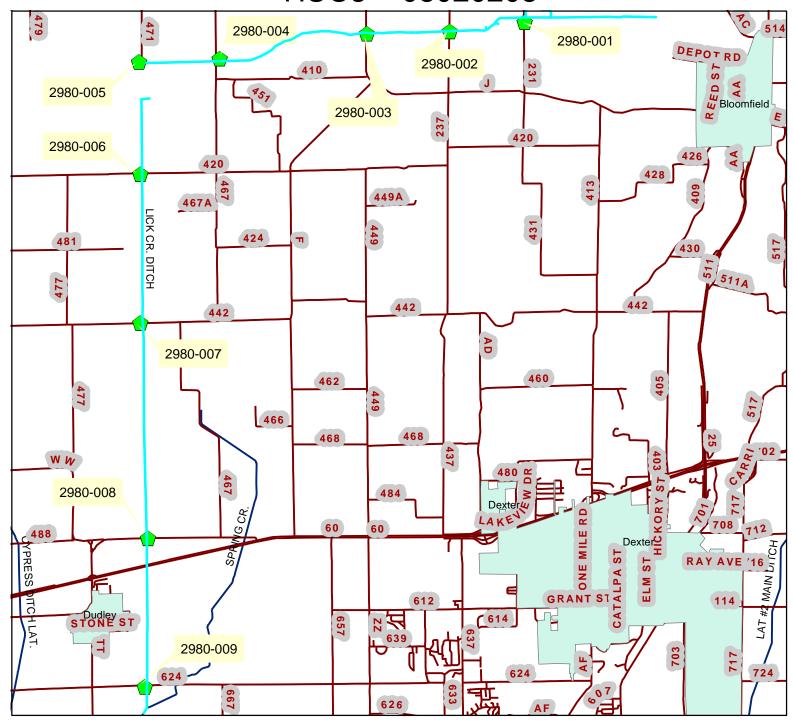
RECEIVED

Data Sheet A - Water Body Identification

2005 JUL 11 PM 1: 05
WATER PROTECTION PROGRAM

8-digit HUC	<u> </u>
Missouri W	BID#: 29BO
County:	Staddard
Upstream Le	egal Description:
Downstream	Legal Description:
Upstream Co	pordinates: 36,90544 - 89,98261 ap
	Coordinates: 36.77643 -90.08040
	Facility Name(s):
Discharger I	Permit Number(s):
Number of S	Sites Evaluated: 9
Name of Su	rveyor and Telephone Number: R. Duchrow 573-751-6623
Organization	n; Missouri Department of Natural Resources
Position: St	ream Biologist
	ned, hereby affirm to the best of my knowledge, that all information reported on this lee and accurate.
	Date: 7/17/03

Lick Creek Ditch (C) #2980 Stoddard County HUC8 = 08020203



Legend





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 295	10-00		Site Location De	scription:	
Site GPS Coordinates:	36.90544 -89.	48 36 1	CO RO 331	siE,	
Date & Time: 7/7/10	5 135 0 1		Facility Name:		
Personnel: R. Duchrow			Permit Number:		
Current Weather Conditi	ons: PC		Weather Condition	ons for Past 7 days: CLEAG	e - wear Drowent
Photo Ids: Upstream:	Downs	stream:	O-0053 Other		
			· · · · ·		
Jses Observed*:	Τ_			1	T
	Skin diving	☐ SC	UBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	Boa	ating	□Wading	Rafting
Hunting	Trapping	☐ Fisi	hing	None of the above	Other:
Lucken Josephanes					
	TOX * Office all that are		anda recretional v	ugas. Attach whotog of evide	noe or navisual
Surrounding Condition	us*: (Mark all that pro	omote or im	pede recreational u	ses. Attach photos of evide	nce or upusual
Surrounding Condition			pede recreational u	ises. Attach photos of evide	nce or unusual
Surrounding Condition tems of interest.)	Playgrounds		nservation lands	T	<u> </u>
Surrounding Condition terms of interest.)	☐ Playgrounds ☐ State parks	☐ MDC co	nservation lands	Urban areas	☐ Campgrounds ☐ Stairs/walkway
Surrounding Condition items of interest.) City/county parks Boating accesses	☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC co	nservation lands	Urban areas Nature trails	☐ Campgrounds ☐ Stairs/walkway
Surrounding Condition (tems of interest.) City/county parks Boating accesses No trespass sign	☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC co ☐ National ☑ Steep sk	nservation lands	Urban areas Nature trails	☐ Campgrounds ☐ Stairs/walkway
Surrounding Condition (tems of interest.) City/county parks Boating accesses No trespass sign	☐ Playgrounds ☐ State parks ☐ Fence Se*:	☐ MDC co ☐ National ☐ Steep sk	forests	Urban areas Nature trails Other: Rural - 4	Campgrounds Stairs/walkway

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two – WBID #:	Data Sheet B - Si	te Characteriz	ation	
Stream Morphology:	,			
Upstream View Physical Dime				
Riffle Width (ft):	Length (ft):	Avg. Depth (ft): 	Max. Depth (ft):
Run Width (ft):	Length (ft):	Avg. Depth (ft): 	Max. Depth (ft):
Pool Width (ft):	Length (ft): 90'	Avg. Depth (ft)): 0.2	Max. Depth (ft): 0,5'
Flow Present? Yes	No	Estimated (ft ³ /s		
Downstream View Physical Di				
Riffle Width (ft):	Length (ft): \5'	Avg. Depth (ft): Q.Z'	Max. Depth (ft):
Run Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool Width (ft): 30'	Length (ft):	Avg. Depth (ft	ד.ם :(Max. Depth (ft): 2.5'
Flow Present? Yes	No	Estimated (ft ³ /)_
Charles & Carred Con Delogo	Olichary as Go	ా లా		
Water Characteristics*: (Mark all				
Odor: Sewage			None	Other:
Color: ☐ Clear Bottom Deposit: ☐ Sludge		Gray Fine sediments	☐ Milky ☐ None	Other:
Surface Deposit: Oil		Foam	☐ None	Other: 53(10 m watous Ala
*This information is not to be used solely comprehensive understanding of water or decision on the recreation use analysis but, the undersigned, hereby affirm datasheet is true and accurate.	al comments (included for removal of a recreat productions. Consequently it may point to condition	tional use designa , this information is that need furthe knowledge, th	tion but rather is to is not intended to r analysis or that e at all informat	o provide a more directly influence a ffect another use.
Signed:	nt of Natural Resour	Date:	20 17 T	





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: a	480-00A	Si	te Location De	escription:	
Site GPS Coordinates: 3		142- (02 OS	אפ דלג	
Date & Time: 717/05	1915 4-03	Fa	cility Name:		
Personnel: R. Duchrow	, , , , , , ,		rmit Number:		
Current Weather Conditi	ons: 00/ 12015	W	eather Conditi	ions for Past 7 days: Ches	e was Decemb
Photo Ids: Upstream:	Downstr	ream:		1.10c-0026 n2 7	
		100-0	7(1) 3 4 1	(80 -050 -00 -	
ses Observed*:				<u> </u>	
Swimming	Skin diving	☐ SCUBA	A diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	Ş	☐ Wading	Rafting
Hunting	Trapping	Fishing		None of the above	Other:
Local Space Carter Se	Q.Z.				
~		note or imped-	e recreational t	uses. Attach photos of evide	nce or unusual
	18*: (Mark all that prod	note or impede		uses. Attach photos of evide	nce or unusual
urrounding Condition	18*: (Mark all that prod	<u> </u>	vation lands	<u> </u>	<u> </u>
urrounding Conditions of interest.)	ns*: (Mark all that prod	MDC conser	vation lands	☐ Urban areas	Campgrounds
rrounding Conditions of interest.) City/county parks Boating accesses	18*: (Mark all that pron	MDC conser	vation lands	☐ Urban areas ☐ Nature trails	Campgrounds
ms of interest.) City/county parks Boating accesses No trespass sign	18*: (Mark all that pron	MDC conser National for Steep skips	vation lands	☐ Urban areas ☐ Nature trails	Campgrounds Stairs/walkway
arrounding Condition ms of interest.) City/county parks Boating accesses No trespass sign	Playgrounds State parks Fence	MDC conser National for Steep skips	vation lands ests Bowks /platform	Urban areas Nature trails Other:	☐ Campgrounds ☐ Stairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

September 29, 2004

Last printed 06/29/05 10:20 AM

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Page Two – V	WBID #_		. Z. Data Sheet E	3 - Site Characteri	Zation	
Stream Morj Upstream	•	ysical Di	mensions:			
Riffle	Width (ft):		Length (ft):	Avg. Depth (f	t): 0.1	Max. Depth (ft): O. Z.
Run	Width (ft):		Length (ft):	Avg. Depth (f		Max. Depth (ft):
Pool	Width (ft):	15	Length (ft): 120	Avg. Depth (f	i): 0.2	Max. Depth (ft): 0.4
Flow	Present?	☑ Yes	□ No	Estimated (ft ³		
Danmatua	am Vian	Dhusisal	Dimensions			
Downstre: ☐ Riffle	width (ft):		Dimensions: Length (ft): 3	Avg. Depth (f	at): 0.1	Max. Depth (ft): p. 3
Run	Width (ft):		Length (ft):	Avg. Depth (i	····	Max. Depth (ft):
Pool	Width (ft):		Length (ft): 40		*	Max. Depth (ft):
Flow	Present?	Yes	□No	Estimated (ft ³		
			all that apply.)			
Odor:	Acter istic	Sewage	Musky	Chemical	☑ None	Other:
Color:			Green	Gray	Milky	Other:
Bottom De	eposit:	Sludge	☐ Solids	☐ Fine sediments	☐ None	Other: Clase grown algae
Surface De	eposit:	Oil	☐ Scum	Foam	None	Other:
*This informat: comprehensive decision on the	ion is not to understand recreation t	be used so ing of wat use analysi	olely for removal of a er conditions. Conseq s but may point to con	recreational use design quently, this information nditions that need furth	ation but rathe n is not intender er analysis or	ed to directly influence a that effect another use.
I, the under datasheet is				f my knowledge, t	hat all infor	rmation reported on this UAA
Signed:	<u>2</u>			Date:	7/7(05	,
Organization	n: <u>Missour</u>	i Depart	ment of Natural R	esources Position	: Stream Bi	<u>ologist</u>

2980-002 DS



2980-002 US



All photos were not included because of duplication.

Data Sheet B - Site Characterization

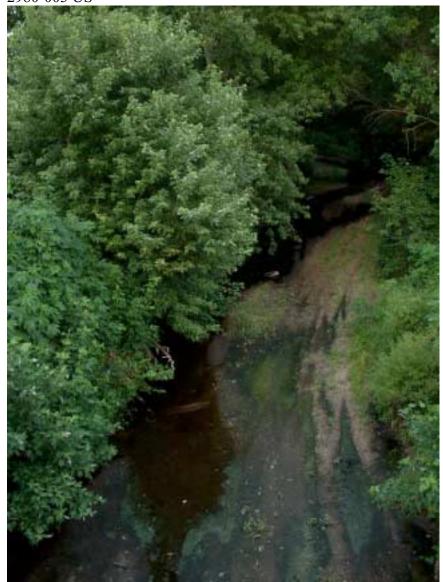
(A separate data sheet must be completed for each site)

S) - 1	150-003		Site Location De	escription:	
Site GPS Coordinates:		87160.	404 I 3	R	
Date & Time: 7/7/6	1945		Facility Name:		
Personnel: R. Duchrow	····		Permit Number:		
Current Weather Condit	ions: De Jan	a1.f.	Weather Conditi	ons for Past 7 days: Clease	· write Down also
Photo Ids: Upstream:	Dow	nstream:			
- 1	00-005(100	3-0037		
Us <u>es Observed*:</u>					,
Swimming	Skin diving	□ sc	UBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing		Bo	ating	☐ Wading	Rafting
Hunting	Trapping	☐ Fisi	hing	None of the above	Other:
_	ns*: (Mark all that p	promote or im	pede recreational t	uses. Attach photos of eviden	nce or unusual
items of interest.)			*		1
items of interest.) City/county parks	Playgrounds	☐ MDC co	nservation lands	Urban areas	Campgrounds
City/county parks Boating accesses	Playgrounds State parks	MDC co	nservation lands	Urban areas Nature trails	Campgrounds Stairs/walkway
items of interest.) City/county parks	Playgrounds	MDC co	nservation lands	Urban areas Nature trails	Campgrounds Stairs/walkway
City/county parks Boating accesses No trespass sign	☐ Playgrounds ☐ State parks ☐ Fence	MDC co	nservation lands	Urban areas Nature trails	Campgrounds
City/county parks Boating accesses No trespass sign	☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC co ☐ National ☐ Steep ske	nservation lands	Urban areas Nature trails	Campgrounds Stairs/walkway
items of interest.) City/county parks Boating accesses No trespass sign Evidence of Human U Roads Rope swings	Playgrounds State parks Fence se*: Camping Sites	☐ MDC co ☐ National ☐ Steep ske	nservation lands forests	Urban areas Nature trails Other: Rural - C	Campgrounds Stairs/walkway
items of interest.) City/county parks Boating accesses No trespass sign Evidence of Human U Roads Rope swings	Playgrounds State parks Fence se*:	☐ MDC co ☐ National ☐ Steep ske	nservation lands forests SANKS Dock/platform	Urban areas Nature trails Other: Rugal - C	Campgrounds Stairs/walkway Campgrounds RV/ATV Tracks

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - WBID #		ata Sheet B - Site	Characteri	zation	
Stream Morphology: Upstream View Physical	sical Dimensio	ons:			
Riffle Width (ft):	· ·	ogth (ft): 15	Avg. Depth (fi	1): 40.1	Max. Depth (ft):
Run Width (ft):		ngth (ft):	Avg. Depth (f	t):	Max. Depth (ft):
Pool Width (ft):	ری Ler	igth (ft): 60°	Avg. Depth (f	1): 6.3'	Max. Depth (ft):
Flow Present?	☑Yes ☐ No		Estimated (ft ³ /	sec): < ccs	
Downstream View I	hysical Dime	nsions:			
Riffle Width (ft):		ngth (ft):	Avg. Depth (f	t):	Max. Depth (ft):
Run Width (ft):	Lei	ngth (ft):	Avg. Depth (f	t):	Max. Depth (ft):
Pool Width (ft):	10'-25' Les	ngth (ft): 😘 '	Avg. Depth (f	i): 0,3	Max. Depth (ft):
	Yes □ No		Estimated (ft ³		· · · · · · · · · · · · · · · · · · ·
Aquatic Vegetation*:	مراه رد		win at the asses	snen stej	
Odor:	Sewage _		hemical	☑None	Other:
Color:	Clear [iray	Milky	Other:
Bottom Deposit: Surface Deposit:	Sludge Cil		ine sediments	None None	Other:
*This information is not to comprehensive understanding decision on the recreation u	ch additional of the used solely for the used solely for the used solely for the used analysis but make the used affirm to the	removal of a recreat tions. Consequently, ay point to condition	ing informational use design this information that need furth	ion from interviation but rather is n is not intended the analysis or that	s to provide a more to directly influence a
Signed:Organization: Missour	- · · · · · · · · · · · · · · · · · · ·	- · · · · · · · · · · · · · · · · · · ·		-	noist
Organization, ivitosom:	, Department C	A THERET ACCOUNTS	200 1 0011101	200	





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: Ag	80-004		Site Location De	sc ripti on:	
Site GPS Coordinates: 36		897	CO 60 467	l r Br	
Date & Time: 7/8/09	5 1105 500		Facility Name:		
Personnel: R. Duchrow		•	Permit Number:		
Current Weather Condition	ns:		Weather Condition	ons for Past 7 days:	+112+0-6 Seem- Su
Photo Ids: Upstream:	Downstre	eam:	Other		
Uses Observed*:					
Swimming	Skin diving	□ sc	UBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	Во	ating	Wading	Rafting
Hunting	☐ Trapping	Fis	hing	None of the above	Other:
Describe: (include numbe	r of individuals recreati	ng, frequ	ency of use, photo-	documentation of evidence	of recreational uses, etc.)
Surrounding Condition				uses. Attends shotos of avide	nce or unusual
items of interest.)	S"; (Mark an mai prom	ioic of m	ipede recreational i	ises. Attach photos of evider	nee or masum
City/county parks	☐ Playgrounds ☐	MDC co	onservation lands	Urban areas	Campgrounds
☐ Boating accesses	State parks	Nationa	l forests	☐ Nature trails	☐ Stairs/walkway
☑ No trespass sign	☐ Fence ☑	Steep sk	Solvas Barries	Other: Pural - C	in about
Evidence of Human Us	e*:				24 d D (ctro-cr
☑ Roads	Foot paths/prints			·	
()	L TVVV P[E		Dock/platform	Livestock Watering	RV/ATV Tracks
Rope swings	Camping Sites	_	Dock/platform Fire pit/ring	Livestock Watering NPDES Discharge	

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Page Two - WBID	# <u>;</u>	ડ્ય Data Shee	et B - Site C	Characteri	ization		
Stream Morpholog	gy:						
Upstream View	Physical D	imensions:					
☐ Riffle Width	(ft):	Length (ft):	A	vg. Depth (i	ft):	Max. Depth (f	t):
☐ Run Width	(ft):	Length (ft):	A	vg. Depth (i	ft):	Max. Depth (f	t):
Pool Width	(ft): as	Length (ft):	3co' ^A	vg. Depth (ft): 0.5	Max. Depth (f	t): 1,0'
Flow Preser	_	ĭNo		stimated (ft ³			
Downstream Vi	ew Physica	l Dimensions:					
Riffle Width	(ft):	Length (ft):	A	vg. Depth (ft):	Max. Depth (f	t):
Run Width	(ft):	Length (ft):		vg. Depth (ſt):	Max. Depth (f	t):
Pool Width	(ft): 30	Length (ft):	300 4	vg. Depth (ft): 💍 '	Max. Depth (f	t): z,c′
Flow Preser	ıt? ☑ Yes	□ No	I	Estimated (ft			
Substrate*: (These No % Cobbi Aquatic Vegetatio	n*: (note amo	% Gravel 5.		h at the asse	% Silt	% Mud/Clay	% Bedrock
Water Characteri							
Odor:	Sewage	Musky	☐ Che	mical	None	Other:	
Color:	Clear	Green	Gra		Milky	Other:	
Bottom Deposit:	Sludge	☐ Solids	Fine	sediments	☑None	Other:	
Surface Deposit:	Oil	Scum	☐ Foar	n	None	Other:	
*This information is no comprehensive unders decision on the recreate	ot to be used se tanding of wat	olely for removal c	of a recreation	al use design	nation but rathe n is not intende	r is to provide a mo	re nce a
I, the undersigned datasheet is true a			t of my kne	owledge, t	hat all infor	mation reporte	d on this UAA
Signed: \(\frac{1}{2}\sqrt{\sq}\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	<u>リ</u>			Date:	7/8/05		
Organization: Miss	ouri Depart	ment of Natura	l Resources	Position	ı: <u>Stream Bio</u>	ologist	







All photos were not included because of duplication.

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 355	0-005		Site Location Des	cription:	
Site GPS Coordinates:			CO RD 47	11.38	
Date & Time: 7/8/0	5 1155	óhrs i	Facility Name:		
Personnel: R. Duchrow			Permit Number:		
Current Weather Condition	ons: Pc		Weather Condition	ons for Past 7 days:	Luzza Danaka
Photo Ids: Upstream:		tream:	Other:		THE PARTY OF EAST AND
1	NO PHOTOS TW		00000		
Uses Observed*:					,
	Skin diving	□ sc	UBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Bo	ating	☐ Wading	Rafting
Hunting	☐ Trapping	☐ Fis	hing	☑ None of the above	Other:
				documentation of evidence	
Surrounding Condition items of interest.)	s*: (Mark all that pro	mote or im	pede recreational us	ses. Attach photos of evide	nce or unusual
City/county parks	Playgrounds [MDC co	enservation lands	Urban areas	Campgrounds
☐ Boating accesses	State parks [National	forests	☐ Nature trails	Stairs/walkway
☐ No trespass sign	Fence [Steep slo	opes	Other:	
Evidence of Human Us	e*:				
Roads	☐ Foot paths/prints		Dock/platform	Livestock Watering	RV / ATV Tracks
Rope swings	Camping Sites	I	Fire pit/ring	☐ NPDES Discharge	Fishing Tackle
Other:				<u> </u>	

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Pa	ge Two –			⊃5 Data Sheet	B - Site Charact	terization		
	eam Mor							
	Upstream	View Ph	ysical D	imensions:	•			
	Riffle	Width (ft)	;	Length (ft):	Avg, Dept	th (ft):	Max. Depth (ft)	!
	Run	Width (ft)	:	Length (ft):	Avg. Dept	th (ft):	Max. Depth (ft)	c .
	Pool	Width (ft)	:	Length (ft):	Avg. Dept	th (ft):	Max. Depth (ft)	c:
	Flow	Present?	Yes	□No	Estimated	(ft³/sec):		
	Downstre	am View	Physics	l Dimensions:				
	Riffle	Width (ft)		Length (ft):	Avg. Dep	th (ft):	Max. Depth (ft)):
	Run	Width (ft)	:	Length (ft):	Avg. Dep	<u> </u>	Max, Depth (ft)	
	Pool	Width (ft)	:	Length (ft):	Avg. Dep	th (ft):	Max. Depth (ft)):
	Flow	Present?	Yes	□ No	Estimated	l (ft³/sec):		
_					** '			
Su		(These val) 6 Cobble		add up to 100%.) % Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
								
w		acteristic		k all that apply.)			· ·	
	Odor:		Sewage	<u>-</u> -	☐ Chemical	None	Other:	
	Color:		Clear	Green	Gray	Milky	Other:	
	Bottom De		Sludge	Solids	Fine sedimen		Other:	<u></u>
	Surface De	eposit: L	Oil	Scum	☐ Foam	None	Other:	
*Ti con dec	his informat nprehensive sision on the	ion is not to understand recreation t	be used s ing of wat use analys ereby at	olely for removal of er conditions. Cons is but may point to c	a recreational use desequently, this informational that need fi	signation but rathe ation is not intend urther analysis or	erviews) to this for er is to provide a more ed to directly influence that effect another use rmation reported	e ce a c.
Si	gned:	₹ <u></u>)		Date	<u> 718105</u>	<u> </u>	
Or	ganization	ı: <u>Missou</u>	ri Depart	ment of Natural	Resources Posit	ion: <u>Stream Bi</u>	ologist	

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: as	80 - colo		Site Location De	scription:	
Site GPS Coordinates: 3		.০শন ৭শ	CO BD 42	o BR	
Date & Time: 7/8/05	5 '2'0'		Facility Name:		
Personnel: R. Duchrow			Permit Number:		
Current Weather Conditi	ions: PC		Weather Condition	ons for Past 7 days: Clex	three Courses
Photo Ids: Upstream:		istream:	Other		a social entra
		100	- 0000		
Uses Observed*:					· · · · · · · · · · · · · · · · · · ·
Swimming	Skin diving	□ SCI	UBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boa	iting	□Wading	
Hunting	☐ Trapping	☐ Fist	ning	None of the above	Other:
•	ns*: (Mark all that pr	romote or im	pede recreational u	uses. Attach photos of evide	ence or unusuai
Surrounding Condition	ns*: (Mark all that pr		pede recreational u	uses. Attach photos of evide	ence or unusual Campgrounds
Surrounding Condition tems of interest.)	· ··· ·		nservation lands		
Surrounding Condition tems of interest.) City/county parks	☐ Playgrounds	MDC co	nservation lands	Urban areas Nature trails	Campgrounds
Surrounding Condition (tems of interest.) City/county parks Boating accesses No trespass sign	Playgrounds State parks Fence	MDC co	nservation lands	Urban areas Nature trails	Campgrounds Stairs/walkway
Surrounding Condition items of interest.) City/county parks Boating accesses	Playgrounds State parks Fence	☐ MDC co ☐ National ☐ Steep sle	nservation lands	Urban areas Nature trails	Campgrounds Stairs/walkway
Surrounding Condition items of interest.) City/county parks Boating accesses No trespass sign Evidence of Human Use	☐ Playgrounds ☐ State parks ☐ Fence se*:	☐ MDC co ☐ National ☑ Steep ske	nservation lands forests	Urban areas Nature trails Other: Rucal - Cr	Campgrounds Stairs/walkway

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Page Two - WBID	#: 3d80-c0P	Data Sheet B -	- Site Characteri	zation		
Stream Morpholog Upstream View	_	ensions:				
Riffle Width		Length (ft):	Avg. Depth (t	i):	Max. Depth (ft):	<u></u>
Run Width	(ft):	Length (ft):	Avg. Depth (f	ît):	Max. Depth (ft):	
Pool Width	(ft): 15'	Length (ft): 300	Avg. Depth (f	i): 1.5'	Max. Depth (ft):	3.5
Flow Presen	t? ☑Yes [] No	Estimated (ft ³			
<u>D</u> ownstream Vi	ew Physical D	imensions:				
☐ Riffle Width		Length (ft): 50	Avg. Depth (1	ft): 2.1	Max. Depth (ft):	<u> </u>
☑ Run Width	(ft): 35'	Length (ft):			Max. Depth (ft):	0.3
Pool Width	(ft):	Length (ft):	Avg, Depth (t	-	Max. Depth (ft):	
Flow Presen	t? ⊡^Yes [] No	Estimated (ft ³	/sec): \		
Aquatic Vegetation	2 25 20 E	D D	al growth at the asses	ssment site)		
Odor:	Sewage	Musky	Chemical	None	Other:	
Color:	☑ Clear	Green	Gray	Milky	Other:	
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other:	
Surface Deposit: Comments: Please	Oil attach additio	Scum	Foam	None Tom interv	Other:	<u> </u>
*This information is no comprehensive underst decision on the recreati I, the undersigned datasheet is true a Signed: Organization: Miss	t to be used solel anding of water on on use analysis b , hereby affir nd accurate.	y for removal of a reconditions. Conseque ut may point to condition to the best of r	creational use design ently, this information itions that need furth my knowledge, fl	ation but rather is not intended to analysis or that hat all inform	s to provide a more to directly influence a t effect another use.	1
		or ilminim ISON.	<u> </u>			

2980-006 US





All photos were not included because of duplication.

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

ſ	Missouri WBID #: 3980	F00 - 4		Site Location Description:			
Ī	Site GPS Coordinates: 3:		PP8ra.	CO. RD. 442 BR			
Ī	Date & Time: 7/8/05	12561		Facility Name:			
Ì	Personnel: R. Duchrow		<u> </u>	Permit Number:			
Ī	Current Weather Conditions: ÇC			Weather Condition	ons for Past 7 days: Chess	- LEAR Draucht	
Ī	Photo Ids: Upstream: 100-0064 Downstream: 100			Other	SEE BELOW		
٠		V 3.5 4 []	102	<u> </u>			
Use	es Observed*:				<u> </u>		
	Swimming	Skin diving		UBA diving	☐ Tubing	☐ Water skiing	
	☐ Wind surfing	☐ Kayaking	☐ Boa	ating	Wading	Rafting	
	Hunting	☐ Trapping	☐ Fis:	hing	None of the above	Other:	
	Describe: (include numbe	er of individuals recr	eating, frequ	ency of use, photo-	documentation of evidence	of recreational uses, etc.)	
Su	rrounding Condition				ses. Attach photos of evide	nce or unusual	
	ns of interest.)			.			
	☐ City/county parks	Playgrounds	☐ MDC co	onservation lands	Urban areas	☐ Campgrounds	
	Boating accesses	State parks	☐ National	forests	☐ Nature trails	☐ Stairs/walkway	
	☐ No trespass sign ☐ Fence ☐ Steep sk			BAUKS	Dother R. ral . C.	-oppud Residence	
Ev	idence of Human Us	e*:				·	
	Roads	Foot paths/prin	ts 🔲 I	Dock/platform	Livestock Watering	RV / ATV Tracks	
	☐ Rope swings	Camping Sites	i Di	Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	
	Other:						

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two – '	WBID #:	Data Sheet B -	Site Characteri	zation		
Stream Mor Upstream	phology: View Physical D	imensions:				
Riffle	Width (ft):	Length (ft):	Avg. Depth (f	t):	Max. Depth (ft):	
Run	Width (ft): 10- 20	ر Length (ft): عون	Avg. Depth (f	i): 0.1	Max. Depth (ft):	o · -1'
Pool	Width (ft):	Length (ft):	Avg. Depth (f		Max. Depth (ft):	
☐ Flow	Present? Yes	□ No	Estimated (ft ³	/sec): , _z ,	cra	
Downstre	am View Physica	l Dimensions:				
Riffle	Width (ft):	Length (ft):	Avg. Depth (f		Max. Depth (ft):	
☑∤Run	Width (ft): 15'- 30	Length (ft): 3co	· Avg. Depth (f	t): 0.5	Max. Depth (ft):	1.5
Pool	Width (ft):	Length (ft):	Avg. Depth (f		Max. Depth (ft):	
Flow	Present? Yes	□No	Estimated (ft ³	/sec): 3-40	- Fs	
Aquatic Veg	etation*: (note amo	Security of vegetation or alga	Sand 3	% Silt	% Mud/Clay	% Bedrock
Odor:	Sewage	Musky [Chemical	None	Other:	
Color:	☑ Clear	Green [Gray	☐ Milky	Other:	:
Bottom De Surface De		Solids [Fine sediments Foam	None None	Other:	
*This informate comprehensive decision on the I, the under	ion is not to be used so understanding of wat recreation use analysi	tional comments (incodely for removal of a recer conditions. Consequents but may point to condition to the best of me.	reational use designatly, this information itoms that need furtherly knowledge, the	ation but rather is not intende er analysis or th	is to provide a more d to directly influence a nat effect another use.	
Organization	n: <u>Missouri Depart</u>	ment of Natural Reso	ources Position	: Stream Bio	logist	





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#: 3980 - 008			Site Location De	scription:	<u> </u>		
Site GPS Coordinates: 36.80547 -90.07549			CO 20 488 BR				
Date & Time: 7/8/05 1305 nes.			Facility Name:	1			
Personnel: R. Duchrow	113192 1999 1142						
C 11/2-11			Weather Conditi	ons for Past 7 days:	t day of		
				<u> </u>	C LATERION DIGGS		
Thoto res. Opendam. 10	0-00-68	\c	OC COOP Other				
Jses Observed*:							
Swimming	Skin diving	SC	CUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	Bc	ating	Wading	Rafting		
Hunting	Trapping	□Fi	shing	☐ None of the above	Other:		
Swimming Wind surfing Hunting Describe: (include number of the control of the con	ar or individuals reco	, acq	iency of use, photo-				
Surrounding Condition	510 LOP		· · · · · · · · · · · · · · · · · · ·	<u>.</u>			
Surrounding Condition tems of interest.)	ns*: (Mark all that p	oromote or in	· · · · · · · · · · · · · · · · · · ·	<u>.</u>			
Surrounding Condition tems of interest.)	IS*: (Mark all that p	oromote or in	npede recreational onservation lands	uses. Attach photos of evide	ence or unusual		
Surrounding Condition tems of interest.)	ns*: (Mark all that p	oromote or in MDC c	npede recreational t	uses. Attach photos of evide Urban areas Nature trails	Campgrounds Stairs/walkway		
Surrounding Condition tems of interest.) City/county parks Boating accesses	Playgrounds State parks Fence	oromote or in MDC c	npede recreational onservation lands	uses. Attach photos of evide	Campgrounds Stairs/walkway		
Surrounding Condition tems of interest.) City/county parks Boating accesses No trespass sign	Playgrounds State parks Fence	oremote or in ☐ MDC c ☐ Nations ☐ Steep s	npede recreational conservation lands al forests	Urban areas Urban areas Nature trails Other: Rural - C.	Campgrounds Stairs/walkway		
Surrounding Condition tems of interest.) City/county parks Boating accesses No trespass sign	Playgrounds State parks Fence	oromote or in MDC c Nations Steep s nts	onservation lands	Urban areas Nature trails Other: Rural - C.	Campgrounds Stairs/walkway		

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - WB	∂-680-008 D#:	Data Sheet	B - Site Characte	rization		
Stream Morphol Upstream Vie	ogy: w Physical Din	nensions:				
Riffle Wid	th (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft)):
☐ Run Wid	th (ft): 50'	Length (ft):	Avg. Depth	(ft): 0.3	Max. Depth (ft)	1.0
☐ Pool Wid	th (ft):	Length (ft):	Avg. Depth		Max. Depth (ft)	
Flow Pres	ent? Yes	□ No	Estimated (f	t ³ /sec): (-5 c	542	
Downstream '	View Physical !	Dimensions:				
	th (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft)):
☐ Run Wid	th (ft): 40′332×20	Length (ft): 12			Max. Depth (ft)	
	th (ft):	Length (ft):	Avg. Depth		Max. Depth (ft	
Flow Pres	ent? Yes	 No	Estimated (f	ft³/sec): 4-6	cf3	
	ble 30 %	Gravel 50	% Sand 20	% Silt essment site)	% Mud/Clay	% Bedrock
Water Characte			,			
Odor:	Sewage	Musky	Chemical	None	Other:	
Color:	☑ Clear	Green	☐ Gray	Milky	Other:	
Bottom Deposit		Solids	Fine sediments	None	Other:	
Surface Deposit	: [_] Oil	Scum	Foam	None	Other;	
*This information is comprehensive under decision on the recre	not to be used sole istanding of water ation use analysis ed, hereby affin	ely for removal of a conditions. Conse but may point to co	including informate recreational use designmently, this information of the my knowledge,	nation but rathe on is not intende her analysis or t	er is to provide a more and to directly influence that effect another use	e e a e.
Signed:	<u> </u>		Date:_	718(05		



2980-008 US



All photos were not included because of duplication.

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 2986 - 209			Site Location Description:				
Site GPS Coordinates: 3	6.77643 - 90.	04080	CO RD 624 BR				
			Facility Name:				
Personnel: R. Duchrow	Personnel: R. Duchrow						
Current Weather Conditi	ons: ⊃C		Weather Condition	Weather Conditions for Past 7 days: Chapter was Drawing			
Photo Ids: Upstream:		nstream: 🔾 🔾					
	30 - 00 11		<u>0. 00 </u>				
ses Observed*:	<u> </u>				·		
Swimming	Skin diving	□sc	UBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	□Во	ating	Wading	Rafting		
Hunting	Trapping	Fis	hing	None of the above	Other:		
Describe: (include numb	er of individuals recr	reating, frequ	ency of use, photo-	documentation of evidence	of recreational uses, etc.)		
urrounding Condition			,	documentation of evidence			
urrounding Condition	ns*: (Mark all that p	promote or in	,				
urrounding Conditioners of interest.)	ns*: (Mark all that p	oromote or in	npede recreational u	ses. Attach photos of evide	nce or unusual		
urrounding Condition	ns*: (Mark all that p	oromote or in MDC co	npede recreational u	ses. Attach photos of evide Urban areas Nature trails	nce or unusual Campgrounds Stairs/walkway		
urrounding Conditionems of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	oromote or in MDC co	npede recreational u onservation lands Il forests	ses. Attach photos of evide Urban areas Nature trails	nce or unusual Campgrounds Stairs/walkway		
urrounding Conditionems of interest.) City/county parks Boating accesses	ns*: (Mark all that p Playgrounds State parks Fence	oromote or in ☐ MDC co ☐ Nationa ☐ Steep sl	npede recreational u onservation lands Il forests	ses. Attach photos of evide Urban areas Nature trails	nce or unusual		
urrounding Conditionems of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	oromote or in MDC or In Nationa I Steep sl	npede recreational unonservation lands I forests	ses. Attach photos of evide Urban areas Nature trails Other: Qural.	nce or unusual Campgrounds Stairs/walkway		

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two – WBID #		ata Sheet B - S	ite Character	ization		
Stream Morphology: Upstream View Phys	sical Dimensi	ons:				
☐ Riffle Width (ft):	'S' Let	ngth (ft): 🛫	Avg. Depth (ft): 0-1'	Max. Depth (ft):	٠, ٤٠
Run Width (ft):	Len	ngth (ft):	Avg. Depth (Max. Depth (ft):	
Pool Width (ft):	as Lei	ngth (ft): 1000	Avg. Depth (ft): 0.5°	Max. Depth (ft):	٠,٥'
Flow Present?	☑Yes ☐ No		Estimated (ft	(cap)	5 cf3	
Downstream View P	hvsical Dime	nsions:				
Riffle Width (ft):		ngth (ft): 50'	Avg. Depth (ft): 0.1	Max. Depth (ft):	0.2
Run Width (ft):		ngth (ft): SO	Avg. Depth (Max. Depth (ft):	0.9'
Pool Width (ft):		ngth (ft): مون	Avg. Depth (Max. Depth (ft):	g.†′
Flow Present?	Ƴes □ No	•••	Estimated (ft		c ₹\$	
Aquatic Vegetation*: (r	*: (Mark all that	egetation or algal (% Mud/Clay	% Bedrock
	Sewage Clear	Musky	Chemical Gray	Milky Milky	Other:	
	Sludge [Solids	Fine sediments	None Name	Other:	
	Oil] Scum	Foam	None	Other:	
*This information is not to be comprehensive understanding decision on the recreation use. I, the undersigned, her datasheet is true and acceptable.	e used solely for g of water condit e analysis but ma reby affirm to	removal of a recre tions. Consequently by point to condition	ational use design ly, this informations that need furth knowledge, t	nation but rather is n is not intended to er analysis or that	to provide a more o directly influence a effect another use.	
Organization: Missouri I	Department o	f Natural Resou	rces Position	ı: <u>Stream Biolo</u>	<u>gist</u>	



